

No 5.

Cable Survey.

1895 - Nov 14<sup>th</sup> 1891

to

1895 - Nov 18<sup>th</sup> 1891

$$\begin{array}{r}
 614 \\
 52 \\
 \hline
 565
 \end{array}$$

615-17

50 - 0

100 - 0

150 - 1

200 - 2

250 - 3

300 - 4

350 - 5

400 - 7

450 - 9

500 - 10

550 - 13

600 - 17

650 - 17

---

$$\begin{array}{r} 615 \\ 45 \\ \hline 571 \end{array}$$

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

4.32  
Started down SERIAL TEMPERATURES. Came up

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
963 25	69	<del>69 488</del>		
939 50	65.9	61 755		
914 100	65.9	69 480		
864 200	62.4	69 478		
766 300	50.0	51 141		
668 400	42.8	65 928		
572 500	40.4	<del>66 732</del>		
475 600	45.9	68 848	too much	
379 700	38.6	62 358		
283 800	37.9	69 485		
188 900	37.2	66 665		
92 1000	37.0	54 815		
	36.8			

REMARKS:

down. Started up

No. 195 Survey Date Nov<sup>r</sup> 14 1891

Sigsbee Machine. #1 Reel. Navy

Turns 2465 Cor. + 170 Depth 2635 fms

Shot or lead 60 lbs

Bottom m. gy.

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 73 Surface 73 Drift —

Trawl or dredge —

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

15.40	15-00	0
16.35	14-00	100
17.35	13-15	200
18.35	12-30	300
19.40	11-30	400
20.45	10-45	500
21.50	09-45	600
22.55	08-45	700
24.05	07-45	800
25.15	06-30	900
26.30	05-15	1000
27.45	04-00	1100
28.55	03-00	1200
30.05	02-00	1300
31.35	01-00	1400
32.50	6-00-00	1500
34.30	59-00	1600
35.40	58-00	1700
37.05	57.00	1800
38.30	56.00	1900
39.50	54.50	2000
41.30	53.35	2100
42.50	52.20	2200
44.15	51.05	2300
46.05	50.00	2400

Interval 12'

P. log read 74.4

Rail 7/10 knots while heaving in

2500	4682	219
2600	2465	49
2700	2217	170
2800		2465
2900		2635
3000		
3100		
3200		219
3300	4682	49
3400	1889	170
3500	2793	2465
3600		2635
3700	4682	219
3800	2465	49
3900	2217	170
4000		2465
		2635

Each instrument was ten feet deeper than it should have been.

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10	73.0	54732	00	73.0
25	69.0	69488	-0.4	68.6
50	65.9	61755	0-0	65.9
100	62.4	69480	+0.1	62.5
200	50.0	69478	-0.2	49.8
300	42.8	51451	-0.3	42.5
400	40.4	63913	-0.0	40.4
500	45.7	66724	too much	
600	38.6	68848	-0.1	38.5
700	37.9	62358	-0.1	37.8
800	37.2	69485	+0.1	37.3
900	37.0	66665	-0.0	37.0
1000	36.8	54815	-0.3	36.5

#### REMARKS:

Towed surface net for ten minutes -

2 sps. Amphipod crustaceans -  
Few Portuguese Man-of-War.

2851

No. 196 Survey. Date Nov<sup>r</sup> 14-1891.

Sigsbee Machine. #1 Reel. Tary.

Turns 2607 Cor. + 175 Depth 2782 fms.

Shot or lead 60 lbs.

Bottom

Bottom temperature

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.2

Air 72° Surface 72° Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7-29-00	31-45	0
30-30	30-45	100
31-30	29-55	200
32-30	29-5	300
33-30	28-15	400
34-30	27-30	500
35-15	26-40	600
36-20	25-40	700
37-25	24-35	800
38-30	23-25	900
39-35	22-0	1000
40-45	20-45	1100
42-00	19-35	1200
43-10	18-30	1300
44-25	17-30	1400
45-45	16-30	1500
47-00	15-10	1600
48-30	14-05	1700
49-50	12-55	1800
51-10	11-45	1900
52-30	10-25	2000
54-00	09-0	2100
55-30	07-35	2200
57-00	06-30	2300
58-30	8-05-15	2400

Interval 12' -  
Log read: 86.4  
Ran 1-6 while heaving in

Am.

8-00-10	05-0	2500	4682	219
02-00	8-04-00	2600	2607	44
		2700	2075	175
		2800		2607
		2900		2782
		3000		
		3100		
		3200	4682	219
		3300	2607	44
		3400	2075	175
		3500		2607
		3600		2782
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Towed Surfboard - white dredging.  
 Few Physalia, Vellula, small fish, many  
 bluish amphipods



2852

No. 194 Survey Date

Nov. 14/91.

Sigsbee Machine #1 Reel. Mary

Turns 2670 Cor. + 178 Depth 2848 fms.

Shot or Lead 60 lbs.

Bottom mgy

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 72 Surface 72 Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

9-43-40	48-10	0
44-40	47-20	100
45-35	46-45	200
46-30	46-5	300
47-25	45-20	400
48-25	44-30	500
49-30	43-45	600
50-35	42-50	700
51-40	41-45	800
52-45	40-40	900
53-50	39-30	1000
55-0	38-25	1100
56-15	37-20	1200
57-35	36-50	1300
58-45	35-5	1400
59-10	33-50	1500
10-0-15	32-40	1600
01-30	31-25	1700
02-50	30-20	1800
04-10	29-5	1900
05-30	27-55	2000
07-0	26-40	2100
08-25	25-35	2200
09-50	24-30	2300
12-55	10-23-10	2400

Interred 12  
 209 read 98:4  
 cleared 1-9-49 to whole reading in

10-14-30	21-50	2500	4682	219
16-0	20-25	2600	<del>2670</del>	<del>49</del>
17-15	10-14-30	2700	<del>2012</del>	<del>170</del>
		2800		<del>2670</del>
		2900		<del>2840</del>
		3000		
		3100		
		3200		
		3300	4682	219
		3400	<u>2670</u>	<u>41</u>
		3500	2012	178
		3600		<u>2670</u>
		3700		2848
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2853

No. 7

Current Date

Machine.

Reel.

Turns

Cor. + 178

Depth

Shot or lead

60 lbs.

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
	03.35	0		
	03.50	100		
	02.20	200		
	01.45	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
	0.15	1500		
		1600		
		1700		
1.40		1800		
2.15	46.40	1900		
3.15	45.35	2000		
4.15	44.30	2100		
5.30	43.20	2200		
6.05	42.15	2300		
		2400		

12 miles

Interval

every 1000

1.15

1.15

12.32.15	40.05	2500	46	
34.00	39.05	2600	26	
35.10	12.38.00	2700		17
		2800		26
		2900		28
		3000		60
		3100		
		3200		
		3300		
		3400	46	219
		3500	2682	41
		3600		17
		3700		28
		3800		61
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2864

No. 149 Date Apr. 15<sup>th</sup> 1891

Sigsbee Machine. 1 Reel. Haves

Turns 2730 Cor. + Depth 2910

Shot or lead 60 lbs.

Bottom br.

Bottom temperature 35.2°

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.4

Air 72 Surface Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0	51.00	0
100	50.25	100
200	49.50	200
300	48.75	300
400	48.00	400
500	47.25	500
600	46.50	600
700	45.75	700
800	45.00	800
900	44.25	900
1000	43.50	1000
1100	42.75	1100
1200	42.00	1200
1300	41.25	1300
1400	40.50	1400
1500	39.75	1500
1600	39.00	1600
1700	38.25	1700
1800	37.50	1800
1900	36.75	1900
2000	36.00	2000
2100	35.25	2100
2200	34.50	2200
2300	33.75	2300
2400	33.00	2400

2. 26	17. 20	2500		219
72	18. 20	2600	2730	219
	19. 20	2700	1952	150
50	20. 20	2800		2720
		2900		2740
		3000		
		3100		
		3200	4682	219
		3300	2730	219
		3400	1952	150
		3500		2720
		3600		2910
		3700		
		3800		
		3900		
		4000		

Lat. 18° 30' min  
detaching ship

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

100.  
607.

2855

No. 206 Survey, Date Oct 2 1896

Machine. / Reel. Name.

Turns 2734 Cor. + 180 Depth 2914 fms

Shot or lead 60 lbs.

Bottom br. gy.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 72 Surface 73 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
07-40	24-00	0		
08-45	25-00	100		
09-10	26-15	200		
10-45	27-30	300		
11-45	28-45	400		
12-45	29-00	500		
13-45	30-00	600		
14-45	31-00	700		
15-45	32-00	800		
16-45	33-05	900		
17-50	34-45	1000		
18-10	35-45	1100		
19-20	36-45	1200		
20-30	37-45	1300		
21-45	38-45	1400		
22-00	39-00	1500		
23-20	40-00	1600		
24-45	41-00	1700		
25-00	42-00	1800		
26-30	43-00	1900		
27-00	44-00	2000		
28-00	45-00	2100		
29-00	46-00	2200		
30-00	47-00	2300		
31-00	48-00	2400		

5-38-30	6-00-00	2500	<del>27.5</del>	<del>27.5</del>
46-00	58-45	2600	<del>27.5</del>	<del>27.5</del>
41-30	57-30	2700	<del>17.5</del>	<del>17.5</del>
42-00	5-56-30	2784		
		2800		
		2900		
		3000		
		3100	46.82	219
		3200	27.34	31
		3300	19.77	17.5
		3400		21.34
		3500		29.14
		3600		
		3700		
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 201 Date ( )

Machine. Reel.

Turns Cor. + 177 Depth 2837 (m)

Shot or lead 60 lbs.

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 72 Surface 73 Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200	4652	219
	3300	<u>2660</u>	<u>.42</u>
	3400	2022	177
	3500		<u>2660</u>
	3600		2837
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *2027* Date *Dec 23*  
*Digester* Machine. *11* Reel.

Turns *2460* Cor. + *169* Depth

Shot or lead *60 lbs.*

Bottom *gy. m.*

Bottom temperature

No. of thermometer *34215* Cor. *-0.3*

Corrected temperature *35.2*

Air *72* Surface *72* Drift *-*

Trawl or dredge *-*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

an

10-25-0	10-26-30	2500	4682	21
		2600	2460	50
		2700	2222	
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2460	50
		3600	2222	16.9
		3700		2460
		3800		2222
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1*

Date

*November 12**10200* Machine.Reel. *1*Turns *2614* Cor. +

Depth

Shot or lead *60*Bottom *gy. s. m.*Bottom temperature *7*

No. of thermometer

Cor.

Corrected temperature

Air *74.5* Surface *74* Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500		
	2600	26	
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300	46 52	219
	3400	<u>26 19</u>	<u>43</u>
	3500	26 55	176
	3600		<u>26 10</u>
	3700		<u>27 15</u>
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. .

Date

November 15, 1891

Machine.

Reel.

Taney

Turns

Cor. +

1

Depth

22

Shot or lead

Bottom

m. s. l.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

7.5

Surface

7.4

Drift

Trawl or dredge

none

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	12.45	0		
	12.15	100		
	12.00	200		
0	11.45	300		
	11.30	400		
	11.15	500		
	10.50	600		
	10.30	700		
1	10.15	800		
	10.00	900		
1	09.45	1000		
	09.30	1100		
	09.15	1200		
0	09.00	1300		
	08.45	1400		
1	08.30	1500		
	08.15	1600		
0	08.00	1700		
	07.45	1800		
1	07.30	1900		
	07.15	2000		
0	07.00	2100		
	06.45	2200		
1	06.30	2300		
	06.15	2400		

	2500		
	2600	2 50	
	2700		
	2800		
	2900		at 100 fms depth
	3000		
	3100		
	3200		
	3300		
	3400		
	3500	4682	219
	3600	2743	38
	3700	1934	181
	3800		2748
	3900		2929
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

Bottom net  
 Catch at 100 fms. 1. Beryll. 2. Sponges  
 small sponges;



No. 205 Survey. Date Nov 15 1891  
Machine. M Reel. 1  
Turns 2639 Cor. + 176 Depth 2815 fms.  
Shot or lead 60 lbs.  
Bottom m. Gz.  
Bottom temperature 35.6  
No. of thermometer 54815 Cor. - 0.3  
Corrected temperature 35.3  
Air 75 Surface 74 Drift -  
Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-40-15	41-00	0		
41-15	39-45	100		
42-15	39-00	200		
43-15	38-05	300		
43-45	37-10	400		
44-45	36-15	500		
45-35	35-20	600		
46-40	34-30	700		
47-00	33-15	800		
48-35	32-10	900		
49-35	31-05	1000		
50-35	30-00	1100		
51-25	29-00	1200		
52-15	28-00	1300		
53-15	27-00	1400		
	26-00	1500		
	25-00	1600		
	24-00	1700		
	22-50	1800		
	21-45	1900		
	20-35	2000		
	19-30	2100		
	18-15	2200		
	17-10	2300		
54-5-16-00		2400		

Interval 12'  
Log read: 94.4 -  
13/10. knots with 2 fms.

2571

	15-00	2500		
	14-00	2600		
	5-15-00	2700		
		2800		
		2900		
		3000		
		3100		
		3200	46 22	21
		3300	<u>26 29</u>	<u>43</u>
		3400	2015	176
		3500		<u>26 31</u>
		3600		28 15
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine. *41* Reel. *Ordry*Turns *572*Cor. + *178*Depth *55, 8, 1*Shot or lead *65 lbs*Bottom *br oz*

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air *72*Surface *74*

Drift —

Trawl or dredge —

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*04-5**42-10**10-25**47-30**7-35-55*

28-10	58-25	2500		
30-0	7-32-0	2600	572	
		2700	1962	
		2720		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	719
		3500	2720	40
		3600	1962	179
		3700		21.5
		3800		28.99
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 207 Date *June 10 1880*  
*Sigsbee* Machine. *41* Reel. *40*  
 Turns *2717* Cor. + *179* Depth *2896 fms*  
 Shot ~~on lead~~ *60 lbs.*  
 Bottom *bn. oz.*  
 Bottom temperature *4*  
 No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_  
 Corrected temperature \_\_\_\_\_  
 Air *72* Surface *74* Drift \_\_\_\_\_  
 Trawl or dredge \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>14.03</i>	0		
<i>13.00</i>	<i>23.20</i>	100		
	<i>12.40</i>	200		
	<i>12.05</i>	300		
	<i>11.40</i>	400		
	<i>11.15</i>	500		
<i>13.30</i>	<i>09.55</i>	600		
<i>14.25</i>	<i>09.00</i>	700		
<i>15.30</i>	<i>08.20</i>	800		
<i>16.25</i>	<i>07.30</i>	900		
<i>17.40</i>	<i>06.35</i>	1000		
<i>8.45</i>	<i>05.45</i>	1100		
<i>19.35</i>	<i>07.40</i>	1200		
<i>20.15</i>	<i>03.45</i>	1300		
<i>22.30</i>	<i>02.50</i>	1400		
<i>23.45</i>	<i>10.01.45</i>	1500		
<i>25.05</i>	<i>59.55</i>	1600		
<i>26.35</i>	<i>58.45</i>	1700		
<i>28.00</i>	<i>57.30</i>	1800		
<i>29.20</i>	<i>56.10</i>	1900		
<i>30.55</i>	<i>54.50</i>	2000		
<i>32.30</i>	<i>53.50</i>	2100		
<i>33.30</i>	<i>52.50</i>	2200		
<i>34.30</i>	<i>51.50</i>	2300		
<i>35.30</i>	<i>50.50</i>	2400		

9.5.1911		2500		
46.15	5.35	2600	2717	149
	44.00	2700	1965	27.17
		2800		28.96
		2900		
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2717	40
		3500	1965	179
		3600		27.17
		3700		28.96
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 208

Date

Apr 15 1891

Sigsbee Machine. #1 Reel.

Turns 12744 Cor. + 181

Depth 2945 fms

Shot or lead 60 lbs.

Bottom bu

Bottom temperature 35.6

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 71 Surface 74 Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

10

42-15

0

41-00

100

40-00

200

39-00

300

38-00

400

37-00

500

36-00

600

35-00

700

34-00

800

33-00

900

32-00

1000

31-00

1100

30-00

1200

29-00

1300

28-00

1400

26-55

1500

25-50

1600

24-45

1700

23-45

1800

22-40

1900

21-35

2000

20-30

2100

19-20

2200

18-10

2300

12-17-00

2400

Am Nov. 16-

12-07-00	16-00	2500	26.52	219
1-30	15-00	2600	<u>27.44</u>	38
10-30	13-45	2700	1940	181
11-30	12-13-00	2742		<u>2744</u>
		2800		2925
		2900		
		3000		
		3100		
		3200		
		3300	16.82	219
		3400	<u>27.44</u>	38
		3500	1938	151
		3600		<u>2744</u>
		3700		2925
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



NO. 2864

2864

No. 209 *Machine* Date Nov 2 16-1891.

*Sigsbee* Machine. Reel *Vary*.

Turns 2715 Cor. + 179 Depth 2894 fms.

Shot or lead 60 lbs.

Bottom *bn. m.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air 71 Surface 74 Drift *—*

Trawl or dredge *—*

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
1-58-30	04-30	0		
59-30	03-40	100		
2-00-30	03-10	200		
01-45	02-25	300		
02-45	01-30	400		
04-00	00-45	500		
05-10	5-00-00	600		
06-20	59-00	700		
07-30	58-00	800		
08-40	57-00	900		
09-50	56-00	1000		
11-00	55-00	1100		
12-30	54-00	1200		
13-50	53-00	1300		
15-15	52-00	1400		
16-40	50-30	1500		
18-00	49-30	1600		
19-30	48-15	1700		
21-00	47-00	1800		
22-15	46-00	1900		
23-45	45-00	2000		
25-15	44-00	2100		
27-00	43-00	2200		
28-30	42-00	2300		
30-15	2-41-00	2400		

42, 4  
 Knots  
 Run 1 4/10

*Am.*

-2-32-00	40-00	2500	4682	219
33-30	38-00	2600	<u>2715</u>	<u>40</u>
35-30	36-00	2700	1967	179
35-30	2-37-45	2800		<u>2715</u>
		2900		2894
		3000		
		3100		
		3200	4682	219
		3300	<u>2715</u>	<u>40</u>
		3400	1967	179
		3500		<u>2715</u>
		3600		2894
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 10

Date 16/91

Machine. Reel.

Turns 2761 Cor. + 181

Depth 2942 fms

Shot or lead 60 lb

Bottom

Bottom temperature

No. of thermometer

Cor. —

Corrected temperature

Air 71

Surface 74

Drift —

Trawl or dredge —

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

		2500	11	7
05-30	03-40	2600	2761	3
07-15	07-15	2700	181	181
01-40	01-30	2800		2761
		2900		2942
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2761	38
		3600	1921	181
		3700		2761
		3800		2442
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 2802 Cor. + 183 Depth 2985 fms

Shot or lead 60

Bottom

Bottom temperature 035

No. of thermometer

Cor. -0.3

Corrected temperature 35.3

Air 72 Surface 74 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	28 02	0		
		100		
	06 00	200		
	05 40	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
	55 00	1300		
	54 40	1400		
		1500		
	05 10	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300	46.2	21.9
	3400	46.2	21.9
	3500	46.0	21.8
	3600		21.2
	3700		21.5
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

160  
#507.

2867

No. *212* *Survey* Date *1891*  
*Sigsbee* Machine. \*1 Reel. *Wavy*  
 Turns *2120* Cor. + *183* Depth *3003 fms*  
 Shot or lead *60 lbs.*  
 Bottom *br. gy*  
 Bottom temperature  
 No. of thermometer Cor.  
 Corrected temperature  
 Air *73* Surface *71* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.22.50</i>	<i>20.00</i>	0		
<i>23 45</i>	<i>21.55</i>	100		
		200		
<i>25.45</i>	<i>20.00</i>	300		
<i>26.45</i>	<i>24.45</i>	400		
<i>37.50</i>	<i>24.00</i>	500		
<i>21.01</i>	<i>23.15</i>	600		
<i>30.05</i>	<i>22.25</i>	700		
<i>31.20</i>	<i>21.35</i>	800		
<i>32.30</i>	<i>20.45</i>	900		
<i>33.40</i>	<i>19.50</i>	1000		
<i>34.55</i>	<i>18.55</i>	1100		
<i>36.10</i>	<i>18.00</i>	1200		
<i>37.25</i>	<i>17.10</i>	1300		
<i>40</i>	<i>16.15</i>	1400		
<i>40 10</i>	<i>15.20</i>	1500		
<i>41.35</i>	<i>14.15</i>	1600		
<i>42.55</i>	<i>13.15</i>	1700		
<i>44.30</i>	<i>12.20</i>	1800		
<i>45.50</i>	<i>11.25</i>	1900		
<i>47.10</i>	<i>10.25</i>	2000		
<i>48.50</i>	<i>09.35</i>	2100		
<i>50.10</i>	<i>08.30</i>	2200		
<i>51.55</i>	<i>07.25</i>	2300		
<i>53.25</i>	<i>10.06.25</i>	2400		

*31*  
*120*

Am

9.55. 10	05.30	2500	4682	219
56. 45	04.30	2600	2820	136
58. 25	03.20	2700	1862	108
		2800		2820
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2820	36
		3600	1862	108
		3700		2820
		3800		3000
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *213* Date *Aug 10 1881*  
*Lucas* Machine. \*1 Reel. *Havi*  
 Turns *2686* Cor. + *178* Depth *2864 fms*  
 Shot or lead *60 lbs.*  
 Bottom *kn. gy.*  
 Bottom temperature  
 No. of thermometer *—* Cor. *—*  
 Corrected temperature  
 Air *73* Surface *75* Drift  
 Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

	<i>03-00</i>	0		
	<i>02-00</i>	100		
	<i>01-30</i>	200		
	<i>01-45</i>	300		
	<i>1-00-15</i>	400		
	<i>55-30</i>	500		
	<i>54-45</i>	600		
	<i>53-00</i>	700		
	<i>52-15</i>	800		
	<i>51-25</i>	900		
	<i>50-30</i>	1000		
	<i>49-40</i>	1100		
	<i>48-45</i>	1200		
	<i>47-45</i>	1300		
	<i>46-45</i>	1400		
	<i>45-45</i>	1500		
	<i>44-40</i>	1600		
	<i>43-40</i>	1700		
	<i>42-30</i>	1800		
	<i>41-20</i>	1900		
	<i>40-15</i>	2000		
	<i>39-10</i>	2100		
<i>38-30</i>	<i>43-00</i>	2200		
<i>37-00</i>	<i>41-45</i>	2300		
<i>35-45</i>	<i>12-40-30</i>	2400		

BM.

12-07-15	39-15	2500	4682	217
09-00	38-00	2600	2686	41
10-30	12-24-15	2686	2000	178
		2700		
		2800		2686
		2900		2864
		3000		
		3100		
		3200		
		3300		
		3400	4682	217
		3500	2686	41
		3600	1976	178
		3700		2686
		3800		2864
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Delayed 26 minutes after shot.

247

Turns 2809 Cor. + 1.83 Depth 2992 fms.

Bottom in. 62

Bottom temperature 35.1

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 75 Surface 75 Drift —

Trawl or dredge —

100.4 100.4 100.4

0.7m.

2-53-45	15-15	2500	4682	219-
55-20	13-50	2600	2504	36
57-30	02-40	2700	1878	183
58-45	3-01-00	2800		2500
		2900		2992
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2504	36
		3600	1873	183
		3700		2800
		3800		2992
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Tarry Date 11/07

Machine.

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

74

Surface

75

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

04.00

0

03.20

100

02.30

200

01.50

300

01.05

400

00.05

500

59.05

600

58-50

700

56-30

800

55-30

900

54-10

1000

52-50

1100

51-30

1200

50-00

1300

48-50

1400

47-30

1500

46-10

1600

45-00

1700

43-40

1800

42-15

1900

41-00

2000

40-00

2100

38-30

2200

37-00

2300

36-00

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	3.03
	3100	
	3200	
	3300	
	3400	2.17
	3500	2.17
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1613  
No. 216  
2271

No. 216 Date

Machine. Reel.

Turns Cor. + Depth

Shot or lead Coils

Bottom m. by.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 74 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

17 30	25-20	0
18 40	24-30	100
19 40	24-00	200
20 40	23-20	300
21 50	22-45	400
22 50	22-00	500
23 10	21-15	600
24 15	20-30	700
25 25	19-40	800
26 35	18-50	900
27 50	18-00	1000
28 05	17-15	1100
29 20	16-30	1200
30 45	15-45	1300
31 00	14-30	1400
32 30	13-35	1500
33 55	12-30	1600
34 15	11-40	1700
35 45	10-40	1800
36 10	09-40	1900
37 35	08-45	2000
38 10	07-20	2100
39 35	06-30	2200
40 25	05-30	2300
41 50	04-30	2400

Interval 13'  
Long lead 26.4  
Rain 1 1/2 knots when starting in

1.1.1

7.50.30	03-30	2500	14682	219
52.10	02-20	2600	28.1	35
53.40	8.04.10	2700	28.5	184
54.10		2800		2824
		2900		3008
		3000		
		3100		
		3200		
		3300	4682	219
		3400	28.1	35
		3500	18.5	184
		3600		2824
		3700		3008
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 277 Survey Date Dec 16-1891

Sigsbee Machine. #1 Reel. Navy-

Turns 2799 Cor. + 123 Depth 2922 fms

Shot or lead 60 lbs.

Bottom m. G.

Bottom temperature 35.1

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 74 Surface 75 Drift —

Trawl or dredge —

# SOUNDING WIRE.

DOWN.

UP.

TURNS.

# DREDGE ROPE.

DOWN.

UP.

42-45	54-40	0
43-45	53-40	100
44-45	52-40	200
45-45	51-45	300
46-45	50-45	400
47-45	49-45	500
48-45	48-45	600
49-45	47-45	700
50-45	46-45	800
51-45	45-45	900
52-45	44-45	1000
53-45	43-40	1100
54-45	42-35	1200
55-45	41-30	1300
56-45	40-15	1400
57-45	39-00	1500
58-45	37-30	1600
59-45	36-00	1700
60-45	34-45	1800
61-45	33-45	1900
62-45	31-15	2000
63-45	30-00	2100
64-30	28-30	2200
65-30	27-15	2300
66-30	26-00	2400

2500 fms. 1891  
 2600 fms. 1891  
 2700 fms. 1891  
 2800 fms. 1891  
 2900 fms. 1891  
 3000 fms. 1891

17.1

10-14	24-30	2500	4682	219
15-20	27-35	2600	2799	36
17-00	21-45	2700	1883	183
18-30	10-20-30	2800		2799
		2900		2982
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2799	36
		3500	1883	183
		3600		2799
		3700		2982
		3800		
		3900		
		4000		

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1* Date *17*  
*Ischew* Machine. *47* Reel. *King*  
 Turns *300* Cor. + *1* Depth *301*  
 Shot or lead *600*  
 Bottom *fm. G.*  
 Bottom temperature  
 No. of thermometer *—* Cor.  
 Corrected temperature  
 Air *74* Surface *74* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>11.1</i>	0		
		100		
		200		
	<i>11</i>	300		
		400		
	<i>11.2</i>	500		
		600		
		700		
		800		
	<i>11.3</i>	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
	<i>11.4</i>	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

121-30	41-10	2500	46.09	0.16
39-40	50-10	2600	28.52	3.4
41-40	49-0	2700	18.30	18.5
35	48-0	2800		5
45-0	12-47-10	2900		3031
		3000		
		3100		
		3200		
		3300		
		3400	46.82	2.9
		3500	28.52	3.4
		3600	18.30	18.5
		3700		28.52
		3800		30.2
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2 1903 Current Date

Machine. / Reel.

Turns 1810 Cor. + 183 Depth 20 3Shot or lead 6Bottom M. G.

Bottom temperature

No. of thermometer

Cor. 1

Corrected temperature

Air 73 Surface 71 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500		
02-45	11-55	2600	2810	36
04-15	10-25	2700	1872	183
05-50	3-9-25	2800		2810
6-15		2900	10	
		3000		2993
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2810	36
		3600	1872	183
		3700		2810
		3800		2993
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2875

No. *2875* Date *July 1895*Machine. *Sigsbee* Reel. *Shaw*Turns *2842* Cor. + *185* Depth *3027 fms.*Shot or lead *60 lb.*Bottom *fn. gy.*Bottom temperature *35.7*No. of thermometer *54815* Cor. *-0.3*Corrected temperature *35.4*Air *73* Surface *74* Drift.Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
01.05	12.40	0		
01.25	10.55	100		
01.45	09.25	200		
01.50	08.35	300		
02.05	07.40	400		
02.20	06.37	500		
02.30	05.30	600		
02.45	04.35	700		
02.55	03.35	800		
03.10	02.40	900		
03.25	01.40	1000		
03.40	00.30	1100		
03.55	00.40	1200		
04.10	00.00	1300		
04.25	00.30	1400		
04.40	00.55	1500		
04.55	01.30	1600		
05.10	02.40	1700		
05.25	03.55	1800		
05.40	05.05	1900		
05.55	06.10	2000		
06.10	07.45	2100		
06.25	08.55	2200		
06.40	10.10	2300		
06.55	11.15	2400		

*Shot 60 lb. Trawl 1200 fms.*  
*Reel Shaw*

22112

5.31.00	4.38.55	2500	46.62	2.117
32.35	4.40.00	2600	46.62	2.117
34.30	4.40.25	2700	46.62	18.55
35.30	5.39.15	2800		28.42
36.30	5.37.20	2900	42	30.27
		3000		
		3100		
		3200		
		3300	46.82	219
		3400	28.42	34
		3500	1840	18.5
		3600		28.42
		3700		30.27
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 221 *Shirley*, Date *Nov. 3 1904*

Machine. *#1* Reel. *No*

Turns *2887* Cor. + *186* Depth *3073 fms.*

Shot or lead *60 lbs*

Bottom *fine grey silt & clay*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

*73*

Surface

*77*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*7-32-30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*28-00*

*27-00*

*26-00*

*25-00*

*24-15*

*8-20-45*

*fine grey silt & clay*

8. 05-50	19-30	2500	4682	219
06-45	18-15	2600	<u>2887</u>	<u>33</u>
08-30	17-00	2700	1800	186
10-15	15-00	2800		<u>2887</u>
12-00	8-13-30	<u>2887</u>		<u>3073</u>
		2900		
		3000	4682	219
		3100	<u>2887</u>	<u>33</u>
		3200	1795	<u>186</u>
		3300		<u>2887</u>
		3400	4682	<u>3073</u>
		3500	<u>1889</u>	
		3600	1889	
		3700		<u>1889</u>
		3800		<u>202</u>
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS:

Lost 1889 turns - 2028. ✓

507. 2877

No. 222 Date Nov 17-1891  
 Sigsbee Machine # 1 Reel. Vary.  
 Turns 2770 Cor. + 182 Depth 2952 fms.  
 Shot or lead 60 lbs.  
 Bottom m. gy.  
 Bottom temperature —  
 No. of thermometer — Cor. —  
 Corrected temperature —  
 Air 73 Surface 74 Drift —  
 Trawl or dredge —

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
1-50-20	17-30	0		
10-00-30	16-30	100		
01-30	15-45	200		
02-30	15-15	300		
03-30	14-30	400		
04-30	13-45	500		
05-40	12-45	600		
06-50	12-00	700		
08-00	10-45	800		
09-20	09-30	900		
10-30	08-10	1000		
11-35	06-40	1100		
12-45	05-20	1200		
14-00	04-00	1300		
15-00	02-30	1400		
16-45	01-15	1500		
18-00	11-00-15	1600		
19-30	59-20	1700		
21-00	58-15	1800		
22-30	57-10	1900		
24-00	56-00	2000		
25-30	55-00	2100		
27-00	54-00	2200		
28-00	53-00	2300		
30-00	10-51-45	2400		

Interval 12' 1/2"  
 Reel 98.4  
 4/10  
 when changed

10-31-45	50-15	2500	4682	219
33-30	49-00	2600	2770	37
35-15	47-45	2700	1912	182
36-30	10-47-00	2770		2770
		2800		2952
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2770	37
		3600	1912	182
		3700		2770
		3800		2952
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS:

detach shot.

No. 223 Survey Date

Nov 17/91.

Machine. <sup>75</sup>

Reel. Aa

Turns 5730 Cor. + 180

Depth 2910

Shot or lead 60 lbs

Bottom fm oz.

Bottom temperature 35.2

No. of thermometer 52815

Cor. - 0.3

Corrected temperature 35.3

Air 75

Surface 75

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

1-18-10 26-0 0

19-15 25-10 100

20-10 24-20 200

21-10 23-25 300

22-10 22-35 400

23-15 21-50 500

24-25 20-45 600

25-35 19-45 700

26-50 18-45 800

27-50 17-45 900

28-50 16-45 1000

30-20 15-55 1100

31-35 15-5 1200

32-55 14-10 1300

34-10 13-10 1400

35-30 12-5 1500

37-0 11-5 1600

38-25 10-0 1700

39-50 00-50 1800

41-45 07-30 1900

42-10 06-10 2000

44-35 04-45 2100

46-15 03-25 2200

48-0 02-00 2300

49-30 01-00 2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	77.2
	3600	77.5
	3700	77.5
	3800	77.5
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				75.6
50				73.3
100				
200				50.7
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *224* Date *May 1*  
 Machine. *Reel* Reel. *May*  
 Turns *2795* Cor. + *102* Depth *2978*  
 Shot or lead *60*  
 Bottom *fn. gy. R. gy.*  
 Bottom temperature *10 turns*  
 No. of thermometer *06* Cor.  
 Corrected temperature *7.2*  
 Air *75* Surface *75* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>17.30</i>	0		
	<i>58.20</i>	100		
	<i>57.55</i>	200		
	<i>57.15</i>	300		
	<i>56.10</i>	400		
	<i>55.10</i>	500		
	<i>54.15</i>	600		
	<i>53.15</i>	700		
	<i>52.30</i>	800		
	<i>51.45</i>	900		
	<i>50.50</i>	1000		
	<i>50.00</i>	1100		
		1200		
<i>6.15</i>	<i>49.15</i>	1300		
<i>6.15</i>	<i>48.20</i>	1400		
<i>6.15</i>	<i>47.30</i>	1500		
<i>8.15</i>	<i>46.50</i>	1600		
<i>10.15</i>	<i>45.55</i>	1700		
<i>11.35</i>	<i>44.15</i>	1800		
<i>12.20</i>	<i>43.40</i>	1900		
<i>14.20</i>	<i>42.40</i>	2000		
<i>16.15</i>	<i>41.40</i>	2100		
<i>17.30</i>	<i>40.45</i>	2200		
<i>18.50</i>	<i>39.40</i>	2300		
<i>20.25</i>	<i>38.25</i>	2400		

0.712

22.00	31.00	2500	190.7	27.0
23.00	31.00	2600		27
24.00	29.00	2700		18.2
26.00	11	2800		20.0
		2900		20.07
		3000		
		3100		
Register		3200	4682	2.9
27.85		3300	2795	30
10 = 29.00		3400	1887	183
		3500		27.5
		3600		2775
		3700		
		3800	4682	219
		3900	17	30
		4000	1887	183
				2795

# SERIAL TEMPERATURES.

2978

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *275* Survey. Date *Nov 2 17-1891*  
*Sigsbee* Machine. # *1* Reel. *Large*  
 Turns *2730* Cor. + *180* Depth *2910 fms*  
 Shot or lead *65 lbs*  
 Bottom *fn. G.*  
 Bottom temperature *—*  
 No. of thermometer *—* Cor. *—*  
 Corrected temperature *—*  
 Air *75* Surface *75* Drift *—*  
 Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-16-00	23-00	0		
17-00	21-45	100		
18-00	21-00	200		
19-00	20-30	300		
20-00	19-35	400		
21-00	18-45	500		
22-00	17-45	600		
23-15	16-45	700		
24-20	15-40	800		
25-25	14-35	900		
26-30	13-30	1000		
27-45	12-20	1100		
29-15	11-10	1200		
30-45	10-00	1300		
32-00	08-50	1400		
33-30	07-45	1500		
34-45	06-30	1600		
36-15	05-15	1700		
37-45	04-00	1800		
39-00	03-00	1900		
40-00	01-45	2000		
42-00	00-30	2100		
43-30	59-40	2200		
45-00	58-30	2300		
46-30	6-57-20	2400		

*Int. 12'*  
*34.4'*  
*Can 12/10 note whole picking in*

0.7M

6-48-30	55-10	2500	4682	219
49-30	55-00	2600	2730	39
51-15	54-00	2700	1952	180
51-45	6-1-15	2800		2730
		2900		2910
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	2622	219
		3600	2622	39
		3700	11	180
		3800		2730
		3900		2410
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2081

1176.

Survey Date

Nov. 17/91

Trinidad

Machine.

*Recl.*

Page

Turns

Cor. +

Depth

Shot or lead

60 lbs

*Bottom*

Am 27.

Bottom temperature

$$U \sim \frac{1}{2}$$

No. of thermometer

54815

Cor. - 0.3

Corrected temperature

35.4

*Air*

74.

### Surface

75.

### Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4:55	10:30	0		
4:57	10:25	100		
4:59	10:20	200		
5:01	10:15	300		
5:03	10:10	400		
5:05	10:05	500		
5:07	10:00	600		
5:09	9:55	700		
5:11	9:50	800		
5:13	9:45	900		
5:15	9:40	1000		
5:17	9:35	1100		
5:19	9:30	1200		
5:21	9:25	1300		
5:23	9:20	1400		
5:25	9:15	1500		
5:27	9:10	1600		
5:29	9:05	1700		
5:31	9:00	1800		
5:33	8:55	1900		
5:35	8:50	2000		
5:37	8:45	2100		
5:39	8:40	2200		
5:41	8:35	2300		
5:43	8:30	2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	4682
	3600	2802
	3700	1880
	3800	
	3900	
	4000	

219

36

183

2802

2185

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

20 minutes expended  
detaching. (hot)

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

11- 52.5	46.30	0
57.15	45.40	100
58.25	45.10	200
59.45	44.30	300
60.55	43.45	400
62.30	43.15	500
64.30	42.15	600
66.35	41.30	700
68.50	40.35	800
70.55	39.40	900
73.20	38.45	1000
75.35	37.50	1100
77.45	36.50	1200
79.10	35.50	1300
80.55	34.55	1400
82.50	33.35	1500
84.45	32.30	1600
86.45	31.20	1700
88.15	30.20	1800
89.45	29.12	1900
91.15	28.12	2000
92.55	27.15	2100
94.20	26.10	2200
95.05	25.10	2300
96.35	24.10	2400

1112

12.13.15	23.05	2500		
14.50	21.55	2600	2 11 55	28
16.55	20.45	2700	19 27	1 81
18.55	19.30	2800		22 55
		2900		29 36
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		31
		3600	27 45	31
		3700	1 15	1 51
		3800		4 15
		3900		2 15
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

01/13/07.

2000

No. *111* Date *11.10.07*  
*Sigsbee* Machine. Reel.  
 Turns *2888* Cor. + *185* Depth *3073*  
 Shot or lead *60 lbs*  
 Bottom *fm of lava*  
 Bottom temperature \_\_\_\_\_  
 No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_  
 Corrected temperature \_\_\_\_\_  
 Air *75* Surface *75* Drift \_\_\_\_\_  
 Trawl or dredge \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.00.00</i>	<i>16.00</i>	0		
<i>04.15</i>	<i>15.25</i>	100		
<i>06.15</i>	<i>14.50</i>	200		
<i>08.20</i>	<i>14.10</i>	300		
<i>10.25</i>	<i>13.25</i>	400		
<i>12.30</i>	<i>12.55</i>	500		
<i>14.35</i>	<i>12.25</i>	600		
<i>16.40</i>	<i>11.55</i>	700		
<i>18.45</i>	<i>11.25</i>	800		
<i>20.50</i>	<i>10.50</i>	900		
<i>22.55</i>	<i>10.25</i>	1000		
<i>25.00</i>	<i>09.55</i>	1100		
<i>27.05</i>	<i>09.25</i>	1200		
<i>29.10</i>	<i>08.50</i>	1300		
<i>31.15</i>	<i>08.20</i>	1400		
<i>33.20</i>	<i>07.55</i>	1500		
<i>35.25</i>	<i>07.25</i>	1600		
<i>37.30</i>	<i>06.55</i>	1700		
<i>39.35</i>	<i>06.25</i>	1800		
<i>41.40</i>	<i>05.55</i>	1900		
<i>43.45</i>	<i>05.25</i>	2000		
<i>45.50</i>	<i>04.55</i>	2100		
<i>47.55</i>	<i>04.25</i>	2200		
<i>49.00</i>	<i>03.55</i>	2300		
<i>51.05</i>	<i>03.25</i>	2400		

*Patent Log reel 170.4 Survival 12'*  
*Reel 1 knots while hauling in*

61114

2.42.55	54.20	2500	11	210
44.30	53.15	2600		6.4
46.15	52.10	2700	15 4	185
47.55	51.00	2800		215
48.40	2.50.30	2900		302.3
		3000		
		3100		
		3200		
		3300		
		3400	4	
		3500	2.13	
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES:

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



2884

507.

No. 229 *Survey*. Date *Feb 18-1891*  
Machine. Reel.

Turns 2785 Cor. + 182 Depth 2967 fms

Shot or lead 60 lbs

Bottom *cn*

Bottom temperature 35.6

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 75 Surface 76 Drift —

Trawl or dredge —

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4-22-15	46-00	0
	45-00	100
	44-00	200
37-15	43-05	300
	42-10	400
	41-10	500
	40-10	600
31-15	39-15	700
27-15	38-20	800
	37-20	900
	36-20	1000
	35-30	1100
27-15	34-15	1200
	33-00	1300
24-45	32-00	1400
		1500
	31-15	1600
	30-15	1700
	29-15	1800
24-15	28-45	1900
21-15	28-15	2000
18-15	27-45	2100
15-15	26-00	2200
12-15	25-20	2300
10-15	24-15	2400

473

5-55-00	15-45	2500	4682	219
07-15	14-30	2600	7785	27
07-00	13-15	2700	1700	185
10-30	5-12-15	2785		2785
		2800		
		2900		2967
		3000		
		3100		
		3200		
		3300		
		3400	4682	
		3500	7785	
		3600	1700	
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2885

No. 235 Date Nov 2 18-1891.

Machine. Reel.

Turns 2777 Cor. + 18 1/2 Depth 2957 fms

Shot or lead 60 lbs

Bottom gy. m.

Bottom temperature

No. of thermometer Cor. -

Corrected temperature

Air 76 Surface 76 Drift -

Trawl or dredge -

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7-07-30

0

08-30

100

10-30

200

11-30

300

12-30

400

13-45

500

14-45

600

15-50

700

16-50

800

17-50

900

18-50

1000

19-30

1100

20-40

1200

21-53

1300

22-05

1400

23-05

1500

24-10

1600

25-10

1700

26-10

1800

27-10

1900

28-10

2000

29-10

2100

30-10

2200

31-10

2300

7-10-10

2400

*Am.*

7-35-3	47-15	2500	468	27
40-00	47-15	2600	<u>2777</u>	<u>37</u>
41-45	46-00	2700	1905	18
42-00	46-00	2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	<u>2777</u>	<u>37</u>
		3700	1115	
		3800		<u>2777</u>
		3900		2959
		4000		

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2056

No. *2056* Date *Aug 11 1899*  
*Sigsbee* Machine. Reel. *1899*  
 Turns *2769* Cor. + *181* Depth *2950*  
 Shot or lead *60 lbs*  
 Bottom *gy. m.*  
 Bottom temperature *—*  
 No. of thermometer *—* Cor. *—*  
 Corrected temperature *—*  
 Air *76* Surface *76* Drift *—*  
 Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10-64-20	14-35	2500		
05-50	18-25	2600		
07-25	12-10	2700		
08-25	10-11-15	2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2769	38
		3600	1913	18.1
		3700		2769
		3800		2950
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS:

No change in the cup but clear water.

No.

Date

Machine. "1" Reel.

Turns 2771 Cor. + 182 Depth 2953 fm

Shot or lead 60 lbs.

Bottom

Bottom temperature

No. of thermometer 527815 Cor. - 0.3

Corrected temperature 35.4

Air

Surface

76 Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

22.00	22.20	2500	19.11	21.9
22.10	22.30	2600	19.11	21.9
22.20	22.40	2700	19.11	21.9
22.30	22.50	2800		21.9
		2900		21.9
		3000		21.9
		3100		21.9
		3200		21.9
		3300		21.9
		3400	46.82	21.9
		3500	21.11	21.9
		3600	19.11	21.9
		3700		21.11
		3800		24.52
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *2189* Date *Sept 1*  
*Sigsbee* Machine. #1 Reel. *Naval*  
 Turns *2727* Cor. + *180* Depth *2907*  
 Shot ~~or lead~~ *60 lb*  
 Bottom *br. g. + f. s.*  
 Bottom temperature \_\_\_\_\_  
 No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_  
 Corrected temperature \_\_\_\_\_  
 Air *76* Surface *76* Drift \_\_\_\_\_  
 Trawl or dredge \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
	17.10	0		
	16.25	100		
	16.00	200		
	15.20	300		
	14.35	400		
	14.00	500		
	13.10	600		
	12.20	700		
	11.35	800		
	10.40	900		
	09.45	1000		
	08.53	1100		
	07.59	1200		
	07.05	1300		
	06.05	1400		
	05.00	1500		
	03.50	1600		
	02.15	1700		
	01.00	1800		
	59.15	1900		
	58.20	2000		
	57.30	2100		
	56.30	2200		
	55.30	2300		
	54.30	2400		

2500	4687	219
2600	4687	219
2700	4687	219
2800	4687	219
2900	4687	219
3000	4687	219
3100	4687	219
3200	4687	219
3300	4687	219
3400	4687	219
3500	4687	219
3600	4687	219
3700	4687	219
3800	4687	219
3900	4687	219
4000	4687	219

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *234* Date *Nov 7 1881*

Machine. *#1 Reel*

Turns *2686* Cor. + *178* Depth *2864*

Shot or lead *60 lbs*

Bottom *W. G. S. S.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *76* Surface *76* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>31-00</i>	<i>30-00</i>	0		
<i>33-00</i>	<i>29-00</i>	100		
<i>34-15</i>	<i>28-30</i>	200		
<i>35-15</i>	<i>28-00</i>	300		
<i>36-15</i>	<i>27-15</i>	400		
<i>37-15</i>	<i>26-30</i>	500		
<i>38-15</i>	<i>26-00</i>	600		
<i>39-20</i>	<i>25-30</i>	700		
<i>40-25</i>	<i>25-00</i>	800		
<i>41-30</i>	<i>24-45</i>	900		
<i>42-35</i>	<i>24-15</i>	1000		
<i>44-00</i>	<i>24-45</i>	1100		
<i>45-15</i>	<i>24-15</i>	1200		
<i>46-30</i>	<i>23-30</i>	1300		
<i>48-00</i>	<i>23-00</i>	1400		
<i>49-15</i>	<i>22-00</i>	1500		
<i>50-30</i>	<i>21-00</i>	1600		
<i>52-00</i>	<i>20-00</i>	1700		
<i>53-20</i>	<i>19-00</i>	1800		
<i>54-45</i>	<i>17-45</i>	1900		
<i>56-15</i>	<i>16-45</i>	2000		
<i>58-00</i>	<i>15-45</i>	2100		
<i>59-45</i>	<i>14-30</i>	2200		
<i>01-45</i>	<i>13-30</i>	2300		
<i>03-15</i>	<i>5-12-30</i>	2400		

*42, 4*

*4/10 knots*

*P.M.*

5-04-45	11-30	2500	4682	219
06-15	10-30	2600	2686	41
07-45	5-09-30	2686 <del>2700</del>	1996	178
		2800		2686
		2900		2864
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2686	41
		3600	1996	178
		3700		2686
		3800		2864
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

2358

Machine.

Reel.

Turns 2635

Cor. +

176

Depth 2811

Shot or lead

60 lbs.

Bottom

br. O

Bottom temperature

No. of thermometer

54815

Cor. -0.3

Corrected temperature

Air

76

Surface

76

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

6-53-45 03.20

54-45 02.30

55-30 01.40

56-25 8-00.30

57-20 59-30

58-15 58-35

59-20 57-45

7-0-20 56-50

01-20 55-55

02-20 55-0

03-30 54-0

04-35 53-55

05-50 51-50

07-0 50-45

08-20 49-30

09-40 48-20

10-20 47-5

12-15 45-50

13-35 44-30

15-0 43-5

16-25 41-30

17-55 39-50

19-20 38-30

20-50 37-10

22-15 7-35-55

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cylindrical 12'

5-4:4

Log read

Made 16 Knot while sailing in

17-123-50	34-40	2500		
24-207-3315		2600		
		31		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200	4682	219
		3300	2635	43
		3400	2047	176
		3500		2635
		3600		2811
		3700		
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			4682	- 219
50			2635	43
100			2047	176
200				2635
300				2811
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tide line

Reel.

Turns 638 Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11. 02. 00

02. 55

04. 50

05. 00

06. 00

07. 05

09. 10

09. 25

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400